

Title (en)

RUBBER MODIFIED THERMOPLASTIC RESIN

Title (de)

KAUTSCHUKMODIFIZIERTES THERMOPLASTHARZ

Title (fr)

RESINE THERMOPLASTIQUE MODIFIEE AU MOYEN DE CAOUTCHOUC

Publication

EP 1814945 A2 20070808 (EN)

Application

EP 05807470 A 20051122

Priority

- GB 2005004479 W 20051122
- GB 0425763 A 20041123

Abstract (en)

[origin: WO2006056758A2] A rubber modified thermoplastic resin composition comprising styrene maleic anhydride copolymer and an acrylate rubber formed via compounding techniques, e.g. twin-screw extruder. The acrylate rubber may be an ethylene acrylate copolymer selected from the group consisting of methyl, ethyl, and butyl acrylates. The ethylene acrylate ranges from 10 to 30% by weight and the styrene maleic anhydride copolymer ranges from 90% to 70% by weight based on the weight of the rubber modified thermoplastic resin composition. Fillers, e.g. glass fibers, may be added in an amount of about 30% by weight or less. The ethylene acrylate copolymer may be an ethylene methyl acrylate containing 75% by weight ethylene and 25% by weight methyl acrylate. An article of manufacture formed from the resin composition has at least improved toughness.

IPC 8 full level

C08L 35/06 (2006.01); **C08K 7/14** (2006.01); **C08L 23/08** (2006.01)

CPC (source: EP)

C08L 35/06 (2013.01); **C08K 7/14** (2013.01); **C08L 23/0869** (2013.01)

Citation (search report)

See references of WO 2006056758A2

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